GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: January 3, 2006, 12:39:20 ; Search time 27.6667 Seconds
(without alignments)
80.683 Million cell updates/sec

Title: US-10-822-677-12
Perfect score: 130
Sequence: 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	130	100.0	27	2	US-09-897-412-12	Sequence 12, Appl
2	130	100.0	27	2	US-09-623-548A-435	Sequence 435, App
3	130	100.0	27	2	US-09-657-276-435	Sequence 435, App
4	127	97.7	27	1	US-08-519-180-6	Sequence 6, Appli
5	127	97.7	27	1	US-08-818-253-36	Sequence 36, Appl
6	127	97.7	27	2	US-08-818-252-36	Sequence 36, Appl
7	127	97.7	27	2	US-09-260-846-18	Sequence 18, Appl
8	127	97.7	27	2	US-08-842-322-30	Sequence 30, Appl
9	127	97.7	27	2	US-09-316-919-52	Sequence 52, Appl
10	127	97.7	27	2	US-09-316-920A-52	Sequence 52, Appl
11	127	97.7	27	2	US-09-897-412-11	Sequence 11, Appl
12	127	97.7	27	2	US-09-623-548A-438	Sequence 438, App
13	127	97.7	27	2	US-09-657-276-438	Sequence 438, App
14	126	96.9	27	1	US-07-924-054-10	Sequence 10, Appl
15	126	96.9	27	1	US-08-062-472B-43	Sequence 43, Appl
16	126	96.9	27	2	US-09-897-412-10	Sequence 10, Appl
17	126	96.9	27	2	US-09-623-548A-437	Sequence 437, App
18	126	96.9	27	2	US-09-657-276-437	Sequence 437, App
19	124	95.4	27	1	US-07-822-924-10	Sequence 10, Appl
20	124	95.4	27	4	PCT-US93-00683-10	Sequence 10, Appl
21	123	94.6	27	2	US-09-623-548A-439	Sequence 439, App
22	123	94.6	27	2	US-09-657-276-439	Sequence 439, App
23	123	94.6	36	2	US-09-230-896C-21	Sequence 21, Appl
24	113	86.9	27	2	US-10-360-101-96	Sequence 96, Appl
25	112.5	86.5	26	1	US-07-776-272-25	Sequence 25, Appl
26	112	86.2	26	2	US-09-623-548A-440	Sequence 440, App
27	112	86.2	26	2	US-09-657-276-440	Sequence 440, App
28	79	60.8	27	2	US-09-623-548A-436	Sequence 436, App
29	79	60.8	27	2	US-09-657-276-436	Sequence 436, App
30	69	53.1	29	2	US-09-847-249A-10	Sequence 10, Appl
31	68	52.3	29	2	US-09-847-249A-30	Sequence 30, Appl
32	68	52.3	29	2	US-09-847-249A-38	Sequence 38, Appl
33	68	52.3	29	2	US-09-847-249A-73	Sequence 73, Appl
34	68	52.3	29	2	US-09-847-249A-74	Sequence 74, Appl
35	68	52.3	29	2	US-09-847-249A-75	Sequence 75, Appl
36	68	52.3	29	2	US-09-847-249A-76	Sequence 76, Appl
37	67	51.5	29	2	US-09-847-249A-25	Sequence 25, Appl
38	67	51.5	29	2	US-09-847-249A-28	Sequence 28, Appl
39	67	51.5	29	2	US-09-847-249A-34	Sequence 34, Appl
40	67	51.5	29	2	US-09-847-249A-44	Sequence 44, Appl
41	66	50.8	29	2	US-09-847-249A-9	Sequence 9, Appli
42	66	50.8	29	2	US-09-847-249A-11	Sequence 11, Appl
43	66	50.8	30	2	US-10-265-345A-4	Sequence 4, Appli
44	65	50.0	29	2	US-09-847-249A-66	Sequence 66, Appl
45	65	50.0	29	2	US-09-847-249A-67	Sequence 67, Appl

ALIGNMENTS

RESULT 1
US-09-897-412-12
; Sequence 12, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
; APPLICANT: Davis, Richard J
; APPLICANT: Page, Keith J
; TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
; TITLE OF INVENTION: Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
; TITLE OF INVENTION: (COPD)
; FILE REFERENCE: 620-148
; CURRENT APPLICATION NUMBER: US/09/897,412
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: GB 0016441.8
; PRIOR FILING DATE: 2000-07-04
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Canis sp.
US-09-897-412-12

Query Match 100.0%; Score 130; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 2.5e-12;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 2
US-09-623-548A-435
; Sequence 435, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406

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;  PRIOR FILING DATE: 1999-05-17
;  PRIOR APPLICATION NUMBER: 60/153,406
;  PRIOR FILING DATE: 1999-09-10
;  PRIOR APPLICATION NUMBER: 60/159,783
;  PRIOR FILING DATE: 1999-10-18
;  NUMBER OF SEQ ID NOS: 1617
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 435
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Peptide
US-09-623-548A-435

  Query Match             100.0%;  Score 130;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-12;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLRESARLQRLLQGLV 27


RESULT 3
US-09-657-276-435
; Sequence 435, Application US/09657276
; Patent No. 6887470
; GENERAL INFORMATION:
;  APPLICANT:  Conjuchem, Inc.
;  APPLICANT:  Bridon, Dominique
;  APPLICANT:  Ezrin, Alan
;  APPLICANT:  Milner, Peter
;  APPLICANT:  Holmes, Darren
;  APPLICANT:  Thibaudeau, Karen
;  TITLE OF INVENTION:  PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
;  TITLE OF INVENTION:  PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
;  TITLE OF INVENTION:  COMPONENTS
;  FILE REFERENCE:  2110
;  CURRENT APPLICATION NUMBER: US/09/657,276
;  CURRENT FILING DATE:  2000-09-07
;  PRIOR APPLICATION NUMBER:  60/134,406
;  PRIOR FILING DATE:  1999-05-17
;  PRIOR APPLICATION NUMBER:  60/153,406
;  PRIOR FILING DATE:  1999-09-10
;  PRIOR APPLICATION NUMBER:  60/159,783
;  PRIOR FILING DATE:  1999-10-18
;  NUMBER OF SEQ ID NOS:  1617
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 435
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Peptide
US-09-657-276-435

  Query Match             100.0%;  Score 130;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-12;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLRESARLQRLLQGLV 27


RESULT 4
US-08-519-180-6
; Sequence 6, Application US/08519180
; Patent No. 5770570
;  GENERAL INFORMATION:
;    APPLICANT:  PAUL, SUDHIR
;    APPLICANT:  YASUKO, NODA
;    APPLICANT:  ISRAEL, RUBINSTEIN
;    TITLE OF INVENTION:  A METHOD OF DELIVERING A VASOACTIVE
;    TITLE OF INVENTION:  INTESTINAL POLYPEPTIDE, AN ENCAPSULATED VASOACTIVE
;    TITLE OF INVENTION:  INTESTINAL POLYPEPTIDE, AND A METHOD OF MAKING THE
;    TITLE OF INVENTION:  ENCAPSULATED VASOACTIVE INTESTINAL POLYPEPTIDE
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/519,180
;      FILING DATE:  25-AUG-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/224488
;      FILING DATE:  07-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SEMINAUER, JEFFREY A.
;      REGISTRATION NUMBER:  31,933
;      REFERENCE/DOCKET NUMBER:  4464/98971
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-519-180-6

  Query Match             97.7%;  Score 127;  DB 1;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 6.9e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              |||||||||||||||:|||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 5
US-08-818-253-36
; Sequence 36, Application US/08818253
; Patent No. 5998204
;  GENERAL INFORMATION:
;    APPLICANT:  Tsien, Roger Y.
;    APPLICANT:  Miyawaki, Atsushi
;    TITLE OF INVENTION:  FLUORESCENT PROTEIN SENSORS FOR
;    TITLE OF INVENTION:  DETECTION OF ANALYTES
;    NUMBER OF SEQUENCES:  61
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
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;       OPERATING SYSTEM:  Windows 95
;       SOFTWARE:  FastSEQ for Windows Version 2.0b
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/818,253
;       FILING DATE:  14-MAR-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Ph.D., Lisa A.
;       REGISTRATION NUMBER:  38,347
;       REFERENCE/DOCKET NUMBER:  07257/043001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619/678-5070
;       TELEFAX:  619/678-5099
;   INFORMATION FOR SEQ ID NO:  36:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  27 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-08-818-253-36

  Query Match             97.7%;  Score 127;  DB 1;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 6.9e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
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Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 6
US-08-818-252-36
; Sequence 36, Application US/08818252B
; Patent No. 6197928
; GENERAL INFORMATION:
;  APPLICANT: Tsien, Roger Y.
;  APPLICANT: Miyawaki, Atsushi
;  TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
;  TITLE OF INVENTION: DETECTION OF ANALYTES
;  FILE REFERENCE: 07257/042001
;  CURRENT APPLICATION NUMBER: US/08/818,252B
;  CURRENT FILING DATE: 1997-03-14
;  NUMBER OF SEQ ID NOS: 56
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Sus scrofa
US-08-818-252-36

  Query Match             97.7%;  Score 127;  DB 2;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 6.9e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              ||||||||||||||:||||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 7
US-09-260-846-18
; Sequence 18, Application US/09260846
; Patent No. 6307017
; GENERAL INFORMATION:
;  APPLICANT: Coy, David H.
;  APPLICANT: Moreau, Jacques-Pierre
;  APPLICANT: Kim, Sun Hyuk
;  TITLE OF INVENTION: OCTAPEPTIDE BOMBESIN ANALOGS
;  FILE REFERENCE: 00537/00900J
;  CURRENT APPLICATION NUMBER: US/09/260,846
;  CURRENT FILING DATE: 1999-03-02
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: mammalian
;   FEATURE:
;   OTHER INFORMATION: Porcine/Bovine
;   FEATURE:
;   OTHER INFORMATION: this peptide has an amidated c-terminus
US-09-260-846-18

  Query Match             97.7%;  Score 127;  DB 2;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 6.9e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              ||||||||||||||:||||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 8
US-08-842-322-30
; Sequence 30, Application US/08842322
; Patent No. 6376257
;  GENERAL INFORMATION:
;    APPLICANT:  Persechini, Anthony
;    TITLE OF INVENTION:  DETECTION BY FRET CHANGES OF LIGAND
;    TITLE OF INVENTION:  BINDING BY GFP FUSION PROTEINS
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON, HARGRAVE, DEVANS & DOYLE LLP
;      STREET:  Clinton Square, P.O. Box 1051
;      CITY:  Rochester
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  14603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/842,322
;      FILING DATE:
;      CLASSIFICATION:  436
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BRAMAN, SUSAN J.
;      REGISTRATION NUMBER:  34,103
;      REFERENCE/DOCKET NUMBER:  176/60170
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  716-263-1636
;      TELEFAX:  716-263-1600
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-842-322-30

  Query Match             97.7%;  Score 127;  DB 2;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 6.9e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRESARLQRLLQGLV 27
              ||||||||||||||:||||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 9
US-09-316-919-52
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; Sequence 52, Application US/09316919
; Patent No. 6469154
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Baird, Geoffrey
; TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS
; FILE REFERENCE: 07257/073001
; CURRENT APPLICATION NUMBER: US/09/316,919
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-316-919-52

Query Match 97.7%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 6.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
||||||||||||||:||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 10
US-09-316-920A-52
; Sequence 52, Application US/09316920A
; Patent No. 6699687
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Baird, Geoffrey
; TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS
; FILE REFERENCE: REGEN1470
; CURRENT APPLICATION NUMBER: US/09/316,920A
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-316-920A-52

Query Match 97.7%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 6.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
||||||||||||||:||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 11
US-09-897-412-11
; Sequence 11, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
; APPLICANT: Davis, Richard J
; APPLICANT: Page, Keith J
; TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
; TITLE OF INVENTION: Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
; TITLE OF INVENTION: (COPD)
; FILE REFERENCE: 620-148
; CURRENT APPLICATION NUMBER: US/09/897,412
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: GB 0016441.8
; PRIOR FILING DATE: 2000-07-04
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus sp.
US-09-897-412-11

Query Match 97.7%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 6.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
||||||||||||||:||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 12
US-09-623-548A-438
; Sequence 438, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 438
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-623-548A-438

Query Match 97.7%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 6.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
||||||||||||||:||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 13
US-09-657-276-438
; Sequence 438, Application US/09657276
; Patent No. 6887470
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/657,276

; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 438
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-657-276-438

Query Match 97.7%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 6.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 14
US-07-924-054-10
; Sequence 10, Application US/07924054
; Patent No. 5486472
; GENERAL INFORMATION:
; APPLICANT: SUZUKI, No. 5486472uhiro
; APPLICANT: KITADA, Chieko
; APPLICANT: TSUDA, Masao
; TITLE OF INVENTION: ANTIBODY TO PACAP AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS&
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/924,054
; FILING DATE: 19920903
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: RESNICK, David S
; REGISTRATION NUMBER: 34235
; REFERENCE/DOCKET NUMBER: 40805
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-924-054-10

Query Match 96.9%; Score 126; DB 1; Length 27;
Best Local Similarity 96.3%; Pred. No. 9.7e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLREGARLQRLLQGLV 27

RESULT 15
US-08-062-472B-43
; Sequence 43, Application US/08062472B
; Patent No. 5695954
; GENERAL INFORMATION:
; APPLICANT: Sherwood, Nancy G M
; APPLICANT: Parker, David B
; APPLICANT: McRory, John E
; APPLICANT: Lescheid, David W
; TITLE OF INVENTION: DNA ENCODING TWO FISH NEUROPEPTIDES
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
; ADDRESSEE: WHINSTON, LLP
; STREET: ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
; STREET: SALMON STREET
; CITY: PORTLAND
; STATE: OREGON
; COUNTRY: USA
; ZIP: 97204-2988
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/062,472B
; FILING DATE: 14-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: POLLEY, RICHARD J
; REGISTRATION NUMBER: 28107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (503) 226-7391
; TELEFAX: (503) 228-9446
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-062-472B-43

Query Match 96.9%; Score 126; DB 1; Length 27;
Best Local Similarity 96.3%; Pred. No. 9.7e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRESARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLREGARLQRLLQGLV 27

Search completed: January 3, 2006, 12:53:42
Job time : 27.6667 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: January 3, 2006, 12:39:20 ; Search time 27.6667 Seconds
(without alignments)
80.683 Million cell updates/sec

Title: US-10-822-677-10
Perfect score: 132
Sequence: 1 HSDGTFTSELSRLREGARLQRLLQGLV 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	132	100.0	27	1	US-07-924-054-10	Sequence 10, Appl
2	132	100.0	27	1	US-08-062-472B-43	Sequence 43, Appl
3	132	100.0	27	2	US-09-897-412-10	Sequence 10, Appl
4	132	100.0	27	2	US-09-623-548A-437	Sequence 437, App
5	132	100.0	27	2	US-09-657-276-437	Sequence 437, App
6	126	95.5	27	2	US-09-897-412-12	Sequence 12, Appl
7	126	95.5	27	2	US-09-623-548A-435	Sequence 435, App
8	126	95.5	27	2	US-09-657-276-435	Sequence 435, App
9	123	93.2	27	1	US-08-519-180-6	Sequence 6, Appli
10	123	93.2	27	1	US-08-818-253-36	Sequence 36, Appl
11	123	93.2	27	2	US-08-818-252-36	Sequence 36, Appl
12	123	93.2	27	2	US-09-260-846-18	Sequence 18, Appl
13	123	93.2	27	2	US-08-842-322-30	Sequence 30, Appl
14	123	93.2	27	2	US-09-316-919-52	Sequence 52, Appl
15	123	93.2	27	2	US-09-316-920A-52	Sequence 52, Appl
16	123	93.2	27	2	US-09-897-412-11	Sequence 11, Appl
17	123	93.2	27	2	US-09-623-548A-438	Sequence 438, App
18	123	93.2	27	2	US-09-657-276-438	Sequence 438, App
19	120	90.9	27	1	US-07-822-924-10	Sequence 10, Appl
20	120	90.9	27	4	PCT-US93-00683-10	Sequence 10, Appl
21	119	90.2	27	2	US-09-623-548A-439	Sequence 439, App
22	119	90.2	27	2	US-09-657-276-439	Sequence 439, App
23	119	90.2	36	2	US-09-230-896C-21	Sequence 21, Appl
24	112	84.8	27	2	US-10-360-101-96	Sequence 96, Appl
25	108.5	82.2	26	1	US-07-776-272-25	Sequence 25, Appl
26	108	81.8	26	2	US-09-623-548A-440	Sequence 440, App
27	108	81.8	26	2	US-09-657-276-440	Sequence 440, App
28	78	59.1	27	2	US-09-623-548A-436	Sequence 436, App
29	78	59.1	27	2	US-09-657-276-436	Sequence 436, App
30	67	50.8	320	2	US-09-252-991A-30676	Sequence 30676, A
31	66	50.0	30	2	US-09-147-345A-36	Sequence 36, Appl
32	65	49.2	29	2	US-09-847-249A-10	Sequence 10, Appl
33	64	48.5	29	2	US-09-847-249A-30	Sequence 30, Appl
34	64	48.5	29	2	US-09-847-249A-38	Sequence 38, Appl
35	64	48.5	29	2	US-09-847-249A-73	Sequence 73, Appl
36	64	48.5	29	2	US-09-847-249A-74	Sequence 74, Appl
37	64	48.5	29	2	US-09-847-249A-75	Sequence 75, Appl
38	64	48.5	29	2	US-09-847-249A-76	Sequence 76, Appl
39	63	47.7	29	2	US-09-847-249A-25	Sequence 25, Appl
40	63	47.7	29	2	US-09-847-249A-28	Sequence 28, Appl
41	63	47.7	29	2	US-09-847-249A-34	Sequence 34, Appl
42	63	47.7	29	2	US-09-847-249A-44	Sequence 44, Appl
43	63	47.7	30	2	US-09-147-345A-106	Sequence 106, App
44	62	47.0	29	2	US-09-847-249A-9	Sequence 9, Appli
45	62	47.0	29	2	US-09-847-249A-11	Sequence 11, Appl

ALIGNMENTS

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RESULT 1
US-07-924-054-10
; Sequence 10, Application US/07924054
; Patent No. 5486472
;  GENERAL INFORMATION:
;    APPLICANT:  SUZUKI, No. 5486472uhiro
;    APPLICANT:  KITADA, Chieko
;    APPLICANT:  TSUDA, Masao
;    TITLE OF INVENTION:  ANTIBODY TO PACAP AND USE THEREOF
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS&
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/924,054
;      FILING DATE:  19920903
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  RESNICK, David S
;      REGISTRATION NUMBER:  34235
;      REFERENCE/DOCKET NUMBER:  40805
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-924-054-10

  Query Match            100.0%;  Score 132;  DB 1;  Length 27;
  Best Local Similarity  100.0%;  Pred. No. 9.8e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
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Db          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
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RESULT 2
US-08-062-472B-43
; Sequence 43, Application US/08062472B
; Patent No. 5695954
;  GENERAL INFORMATION:
;    APPLICANT:  Sherwood, Nancy G M
;    APPLICANT:  Parker, David B
;    APPLICANT:  McRory, John E
;    APPLICANT:  Lescheid, David W
;    TITLE OF INVENTION:  DNA ENCODING TWO FISH NEUROPEPTIDES
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
;      ADDRESSEE:  WHINSTON, LLP
;      STREET:  ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
;      STREET:  SALMON STREET
;      CITY:  PORTLAND
;      STATE:  OREGON
;      COUNTRY:  USA
;      ZIP:  97204-2988
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/062,472B
;      FILING DATE:  14-MAY-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  POLLEY, RICHARD J
;      REGISTRATION NUMBER:  28107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (503) 226-7391
;      TELEFAX:  (503) 228-9446
;  INFORMATION FOR SEQ ID NO:  43:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-062-472B-43

  Query Match             100.0%;  Score 132;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLREGARLQRLLQGLV 27


RESULT 3
US-09-897-412-10
; Sequence 10, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
;  APPLICANT: Davis, Richard J
;  APPLICANT:  Page, Keith J
;  TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
;  TITLE OF INVENTION:  Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
;  TITLE OF INVENTION:  (COPD)
;  FILE REFERENCE: 620-148
;  CURRENT APPLICATION NUMBER: US/09/897,412
;  CURRENT FILING DATE:  2001-07-03
;  PRIOR APPLICATION NUMBER: GB 0016441.8
;  PRIOR FILING DATE: 2000-07-04
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-897-412-10

  Query Match             100.0%;  Score 132;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLREGARLQRLLQGLV 27


RESULT 4
US-09-623-548A-437
; Sequence 437, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
;  APPLICANT: Conjuchem, Inc.
;  APPLICANT:  Bridon, Dominique
;  APPLICANT:  Ezrin, Alan
;  APPLICANT:  Milner, Peter
;  APPLICANT:  Holmes, Darren
;  APPLICANT:  Thibaudeau, Karen
;  TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
;  TITLE OF INVENTION:  PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
;  TITLE OF INVENTION:  COMPONENTS
;  FILE REFERENCE: 2110
;  CURRENT APPLICATION NUMBER: US/09/623,548A
;  CURRENT FILING DATE:  2000-09-05
;  PRIOR APPLICATION NUMBER: 60/134,406
;  PRIOR FILING DATE: 1999-05-17
;  PRIOR APPLICATION NUMBER: 60/153,406
;  PRIOR FILING DATE: 1999-09-10
;  PRIOR APPLICATION NUMBER: 60/159,783
;  PRIOR FILING DATE: 1999-10-18
;  NUMBER OF SEQ ID NOS: 1617
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 437
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Peptide
US-09-623-548A-437

  Query Match             100.0%;  Score 132;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLREGARLQRLLQGLV 27


RESULT 5
US-09-657-276-437
; Sequence 437, Application US/09657276
; Patent No. 6887470
; GENERAL INFORMATION:
;  APPLICANT:  Conjuchem, Inc.
;  APPLICANT:  Bridon, Dominique
;  APPLICANT:  Ezrin, Alan
;  APPLICANT:  Milner, Peter
;  APPLICANT:  Holmes, Darren
;  APPLICANT:  Thibaudeau, Karen
;  TITLE OF INVENTION:  PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
;  TITLE OF INVENTION:  PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
;  TITLE OF INVENTION:  COMPONENTS
;  FILE REFERENCE:  2110
;  CURRENT APPLICATION NUMBER: US/09/657,276
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; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 437
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-657-276-437

Query Match 100.0%; Score 132; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.8e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLREGARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLREGARLQRLLQGLV 27

RESULT 6
US-09-897-412-12
; Sequence 12, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
; APPLICANT: Davis, Richard J
; APPLICANT: Page, Keith J
; TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
; TITLE OF INVENTION: Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
; TITLE OF INVENTION: (COPD)
; FILE REFERENCE: 620-148
; CURRENT APPLICATION NUMBER: US/09/897,412
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: GB 0016441.8
; PRIOR FILING DATE: 2000-07-04
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Canis sp.
US-09-897-412-12

Query Match 95.5%; Score 126; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 7.5e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLREGARLQRLLQGLV 27
|||||||||||||||| ||||||||||
Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 7
US-09-623-548A-435
; Sequence 435, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 435
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-623-548A-435

Query Match 95.5%; Score 126; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 7.5e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLREGARLQRLLQGLV 27
|||||||||||||||| ||||||||||
Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 8
US-09-657-276-435
; Sequence 435, Application US/09657276
; Patent No. 6887470
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/657,276
; CURRENT FILING DATE: 2000-09-07
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 435
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-657-276-435

Query Match 95.5%; Score 126; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 7.5e-12;
Matches 26; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLREGARLQRLLQGLV 27
|||||||||||||||| ||||||||||
Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 9

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US-08-519-180-6
; Sequence 6, Application US/08519180
; Patent No. 5770570
;  GENERAL INFORMATION:
;    APPLICANT:  PAUL, SUDHIR
;    APPLICANT:  YASUKO, NODA
;    APPLICANT:  ISRAEL, RUBINSTEIN
;    TITLE OF INVENTION:  A METHOD OF DELIVERING A VASOACTIVE
;    TITLE OF INVENTION:  INTESTINAL POLYPEPTIDE, AN ENCAPSULATED VASOACTIVE
;    TITLE OF INVENTION:  INTESTINAL POLYPEPTIDE, AND A METHOD OF MAKING THE
;    TITLE OF INVENTION:  ENCAPSULATED VASOACTIVE INTESTINAL POLYPEPTIDE
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/519,180
;      FILING DATE:  25-AUG-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/224488
;      FILING DATE:  07-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SEMINAUER, JEFFREY A.
;      REGISTRATION NUMBER:  31,933
;      REFERENCE/DOCKET NUMBER:  4464/98971
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-519-180-6

  Query Match             93.2%;  Score 123;  DB 1;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
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Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 10
US-08-818-253-36
; Sequence 36, Application US/08818253
; Patent No. 5998204
;  GENERAL INFORMATION:
;    APPLICANT:  Tsien, Roger Y.
;    APPLICANT:  Miyawaki, Atsushi
;    TITLE OF INVENTION:  FLUORESCENT PROTEIN SENSORS FOR
;    TITLE OF INVENTION:  DETECTION OF ANALYTES
;    NUMBER OF SEQUENCES:  61
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/818,253
;      FILING DATE:  14-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Ph.D., Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07257/043001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-818-253-36

  Query Match             93.2%;  Score 123;  DB 1;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||: ||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 11
US-08-818-252-36
; Sequence 36, Application US/08818252B
; Patent No. 6197928
; GENERAL INFORMATION:
;  APPLICANT: Tsien, Roger Y.
;  APPLICANT: Miyawaki, Atsushi
;  TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
;  TITLE OF INVENTION: DETECTION OF ANALYTES
;  FILE REFERENCE: 07257/042001
;  CURRENT APPLICATION NUMBER: US/08/818,252B
;  CURRENT FILING DATE: 1997-03-14
;  NUMBER OF SEQ ID NOS: 56
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Sus scrofa
US-08-818-252-36

  Query Match             93.2%;  Score 123;  DB 2;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
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Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 12
US-09-260-846-18
; Sequence 18, Application US/09260846
; Patent No. 6307017
; GENERAL INFORMATION:
;  APPLICANT: Coy, David H.
;  APPLICANT: Moreau, Jacques-Pierre
;  APPLICANT: Kim, Sun Hyuk
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;  TITLE OF INVENTION: OCTAPEPTIDE BOMBESIN ANALOGS
;  FILE REFERENCE: 00537/00900J
;  CURRENT APPLICATION NUMBER: US/09/260,846
;  CURRENT FILING DATE: 1999-03-02
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: mammalian
;   FEATURE:
;   OTHER INFORMATION: Porcine/Bovine
;   FEATURE:
;   OTHER INFORMATION: this peptide has an amidated c-terminus
US-09-260-846-18

  Query Match             93.2%;  Score 123;  DB 2;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||: ||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 13
US-08-842-322-30
; Sequence 30, Application US/08842322
; Patent No. 6376257
;  GENERAL INFORMATION:
;    APPLICANT:  Persechini, Anthony
;    TITLE OF INVENTION:  DETECTION BY FRET CHANGES OF LIGAND
;    TITLE OF INVENTION:  BINDING BY GFP FUSION PROTEINS
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON, HARGRAVE, DEVANS & DOYLE LLP
;      STREET:  Clinton Square, P.O. Box 1051
;      CITY:  Rochester
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  14603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/842,322
;      FILING DATE:
;      CLASSIFICATION:  436
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BRAMAN, SUSAN J.
;      REGISTRATION NUMBER:  34,103
;      REFERENCE/DOCKET NUMBER:  176/60170
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  716-263-1636
;      TELEFAX:  716-263-1600
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-842-322-30

  Query Match             93.2%;  Score 123;  DB 2;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||: ||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 14
US-09-316-919-52
; Sequence 52, Application US/09316919
; Patent No. 6469154
; GENERAL INFORMATION:
;  APPLICANT: Tsien, Roger Y.
;  APPLICANT: Baird, Geoffrey
;  TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS
;  FILE REFERENCE: 07257/073001
;  CURRENT APPLICATION NUMBER: US/09/316,919
;  CURRENT FILING DATE: 1999-05-21
;  NUMBER OF SEQ ID NOS: 63
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Sus scrofa
US-09-316-919-52

  Query Match             93.2%;  Score 123;  DB 2;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||: ||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 15
US-09-316-920A-52
; Sequence 52, Application US/09316920A
; Patent No. 6699687
; GENERAL INFORMATION:
;  APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
;  APPLICANT:  Tsien, Roger Y.
;  APPLICANT:  Baird, Geoffrey
;  TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS
;  FILE REFERENCE: REGEN1470
;  CURRENT APPLICATION NUMBER: US/09/316,920A
;  CURRENT FILING DATE:  1999-05-21
;  NUMBER OF SEQ ID NOS: 63
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Sus scrofa
US-09-316-920A-52

  Query Match             93.2%;  Score 123;  DB 2;  Length 27;
  Best Local Similarity   92.6%;  Pred. No. 2.1e-11;
  Matches   25;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLREGARLQRLLQGLV 27
              |||||||||||||||: ||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


Search completed: January  3, 2006, 12:53:41
Job time : 27.6667 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: January 3, 2006, 12:39:20 ; Search time 27.6667 Seconds
(without alignments)
80.683 Million cell updates/sec

Title: US-10-822-677-11
Perfect score: 131
Sequence: 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	131	100.0	27	1	US-08-519-180-6	Sequence 6, Appli
2	131	100.0	27	1	US-08-818-253-36	Sequence 36, Appl
3	131	100.0	27	2	US-08-818-252-36	Sequence 36, Appl
4	131	100.0	27	2	US-09-260-846-18	Sequence 18, Appl
5	131	100.0	27	2	US-08-842-322-30	Sequence 30, Appl
6	131	100.0	27	2	US-09-316-919-52	Sequence 52, Appl
7	131	100.0	27	2	US-09-316-920A-52	Sequence 52, Appl
8	131	100.0	27	2	US-09-897-412-11	Sequence 11, Appl
9	131	100.0	27	2	US-09-623-548A-438	Sequence 438, App
10	131	100.0	27	2	US-09-657-276-438	Sequence 438, App
11	128	97.7	27	1	US-07-822-924-10	Sequence 10, Appl
12	128	97.7	27	4	PCT-US93-00683-10	Sequence 10, Appl
13	127	96.9	27	2	US-09-897-412-12	Sequence 12, Appl
14	127	96.9	27	2	US-09-623-548A-435	Sequence 435, App
15	127	96.9	27	2	US-09-623-548A-439	Sequence 439, App
16	127	96.9	27	2	US-09-657-276-435	Sequence 435, App
17	127	96.9	27	2	US-09-657-276-439	Sequence 439, App
18	127	96.9	36	2	US-09-230-896C-21	Sequence 21, Appl
19	123	93.9	27	1	US-07-924-054-10	Sequence 10, Appl
20	123	93.9	27	1	US-08-062-472B-43	Sequence 43, Appl
21	123	93.9	27	2	US-09-897-412-10	Sequence 10, Appl
22	123	93.9	27	2	US-09-623-548A-437	Sequence 437, App
23	123	93.9	27	2	US-09-657-276-437	Sequence 437, App
24	116.5	88.9	26	1	US-07-776-272-25	Sequence 25, Appl
25	116	88.5	26	2	US-09-623-548A-440	Sequence 440, App
26	116	88.5	26	2	US-09-657-276-440	Sequence 440, App
27	110	84.0	27	2	US-10-360-101-96	Sequence 96, Appl
28	80	61.1	27	2	US-09-623-548A-436	Sequence 436, App
29	80	61.1	27	2	US-09-657-276-436	Sequence 436, App
30	73	55.7	29	2	US-09-847-249A-10	Sequence 10, Appl
31	72	55.0	29	2	US-09-847-249A-30	Sequence 30, Appl
32	72	55.0	29	2	US-09-847-249A-38	Sequence 38, Appl
33	72	55.0	29	2	US-09-847-249A-73	Sequence 73, Appl
34	72	55.0	29	2	US-09-847-249A-74	Sequence 74, Appl
35	72	55.0	29	2	US-09-847-249A-75	Sequence 75, Appl
36	72	55.0	29	2	US-09-847-249A-76	Sequence 76, Appl
37	71	54.2	29	2	US-09-847-249A-25	Sequence 25, Appl
38	71	54.2	29	2	US-09-847-249A-28	Sequence 28, Appl
39	71	54.2	29	2	US-09-847-249A-34	Sequence 34, Appl
40	71	54.2	29	2	US-09-847-249A-44	Sequence 44, Appl
41	70	53.4	29	2	US-09-847-249A-9	Sequence 9, Appli
42	70	53.4	29	2	US-09-847-249A-11	Sequence 11, Appl
43	70	53.4	30	2	US-10-265-345A-4	Sequence 4, Appli
44	69	52.7	29	2	US-09-847-249A-66	Sequence 66, Appl
45	69	52.7	29	2	US-09-847-249A-67	Sequence 67, Appl

ALIGNMENTS

RESULT 1
US-08-519-180-6
; Sequence 6, Application US/08519180
; Patent No. 5770570
; GENERAL INFORMATION:
; APPLICANT: PAUL, SUDHIR
; APPLICANT: YASUKO, NODA
; APPLICANT: ISRAEL, RUBINSTEIN
; TITLE OF INVENTION: A METHOD OF DELIVERING A VASOACTIVE
; TITLE OF INVENTION: INTESTINAL POLYPEPTIDE, AN ENCAPSULATED VASOACTIVE
; TITLE OF INVENTION: INTESTINAL POLYPEPTIDE, AND A METHOD OF MAKING THE
; TITLE OF INVENTION: ENCAPSULATED VASOACTIVE INTESTINAL POLYPEPTIDE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/519,180
; FILING DATE: 25-AUG-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/224488
; FILING DATE: 07-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SEMINAUER, JEFFREY A.
; REGISTRATION NUMBER: 31,933
; REFERENCE/DOCKET NUMBER: 4464/98971
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-519-180-6

Query Match 100.0%; Score 131; DB 1; Length 27;

Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 2
US-08-818-253-36
; Sequence 36, Application US/08818253
; Patent No. 5998204
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; TITLE OF INVENTION: DETECTION OF ANALYTES
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/818,253
; FILING DATE: 14-MAR-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07257/043001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-818-253-36

Query Match 100.0%; Score 131; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 3
US-08-818-252-36
; Sequence 36, Application US/08818252B
; Patent No. 6197928
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; TITLE OF INVENTION: DETECTION OF ANALYTES
; FILE REFERENCE: 07257/042001
; CURRENT APPLICATION NUMBER: US/08/818,252B
; CURRENT FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
US-08-818-252-36

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 4
US-09-260-846-18
; Sequence 18, Application US/09260846
; Patent No. 6307017
; GENERAL INFORMATION:
; APPLICANT: Coy, David H.
; APPLICANT: Moreau, Jacques-Pierre
; APPLICANT: Kim, Sun Hyuk
; TITLE OF INVENTION: OCTAPEPTIDE BOMBESIN ANALOGS
; FILE REFERENCE: 00537/00900J
; CURRENT APPLICATION NUMBER: US/09/260,846
; CURRENT FILING DATE: 1999-03-02
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 27
; TYPE: PRT
; ORGANISM: mammalian
; FEATURE:
; OTHER INFORMATION: Porcine/Bovine
; FEATURE:
; OTHER INFORMATION: this peptide has an amidated c-terminus
US-09-260-846-18

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 5
US-08-842-322-30
; Sequence 30, Application US/08842322
; Patent No. 6376257
; GENERAL INFORMATION:
; APPLICANT: Persechini, Anthony
; TITLE OF INVENTION: DETECTION BY FRET CHANGES OF LIGAND
; TITLE OF INVENTION: BINDING BY GFP FUSION PROTEINS
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON, HARGRAVE, DEVANS & DOYLE LLP
; STREET: Clinton Square, P.O. Box 1051
; CITY: Rochester
; STATE: New York
; COUNTRY: USA
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,322
; FILING DATE:

; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: BRAMAN, SUSAN J.
; REGISTRATION NUMBER: 34,103
; REFERENCE/DOCKET NUMBER: 176/60170
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 716-263-1636
; TELEFAX: 716-263-1600
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-842-322-30

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
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Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 6
US-09-316-919-52
; Sequence 52, Application US/09316919
; Patent No. 6469154
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Baird, Geoffrey
; TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS
; FILE REFERENCE: 07257/073001
; CURRENT APPLICATION NUMBER: US/09/316,919
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-316-919-52

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 7
US-09-316-920A-52
; Sequence 52, Application US/09316920A
; Patent No. 6699687
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Baird, Geoffrey
; TITLE OF INVENTION: CIRCULARLY PERMUTED FLUORESCENT PROTEIN INDICATORS
; FILE REFERENCE: REGEN1470
; CURRENT APPLICATION NUMBER: US/09/316,920A
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-316-920A-52

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 8
US-09-897-412-11
; Sequence 11, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
; APPLICANT: Davis, Richard J
; APPLICANT: Page, Keith J
; TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
; TITLE OF INVENTION: Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
; TITLE OF INVENTION: (COPD)
; FILE REFERENCE: 620-148
; CURRENT APPLICATION NUMBER: US/09/897,412
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: GB 0016441.8
; PRIOR FILING DATE: 2000-07-04
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus sp.
US-09-897-412-11

Query Match 100.0%; Score 131; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.7e-13;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||||||||||
Db 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27

RESULT 9
US-09-623-548A-438
; Sequence 438, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 438
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```
;   OTHER INFORMATION: Peptide
US-09-623-548A-438

  Query Match             100.0%;  Score 131;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 4.7e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 10
US-09-657-276-438
; Sequence 438, Application US/09657276
; Patent No. 6887470
; GENERAL INFORMATION:
;  APPLICANT:  Conjuchem, Inc.
;  APPLICANT:  Bridon, Dominique
;  APPLICANT:  Ezrin, Alan
;  APPLICANT:  Milner, Peter
;  APPLICANT:  Holmes, Darren
;  APPLICANT:  Thibaudeau, Karen
;  TITLE OF INVENTION:  PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
;  TITLE OF INVENTION:  PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
;  TITLE OF INVENTION:  COMPONENTS
;  FILE REFERENCE:  2110
;  CURRENT APPLICATION NUMBER: US/09/657,276
;  CURRENT FILING DATE:  2000-09-07
;  PRIOR APPLICATION NUMBER:  60/134,406
;  PRIOR FILING DATE:  1999-05-17
;  PRIOR APPLICATION NUMBER:  60/153,406
;  PRIOR FILING DATE:  1999-09-10
;  PRIOR APPLICATION NUMBER:  60/159,783
;  PRIOR FILING DATE:  1999-10-18
;  NUMBER OF SEQ ID NOS:  1617
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 438
;   LENGTH: 27
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Peptide
US-09-657-276-438

  Query Match             100.0%;  Score 131;  DB 2;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 4.7e-13;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
              |||||||||||||||||||||||||||
Db          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27


RESULT 11
US-07-822-924-10
; Sequence 10, Application US/07822924
; Patent No. 5258453
;  GENERAL INFORMATION:
;    APPLICANT:  J. Kopecek et al.
;    TITLE OF INVENTION:  A DRUG DELIVERY SYSTEM FOR THE
;    TITLE OF INVENTION:  SIMULTANEOUS DELIVERY OF DRUGS ACTIVATABLE BY ENZYMES AND
;    TITLE OF INVENTION:  LIGHT
;    NUMBER OF SEQUENCES:  Ten
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Thorpe, No. 5258453th & Western
;      STREET:  9035 South 700 East, Suite 200
;      CITY:  Sandy
;      STATE:  Utah
;      COUNTRY:  USA
;      ZIP:  84070
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 720 Kb storage
;      COMPUTER:  compaq LTE/286
;      OPERATING SYSTEM:  DOS 4.01
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/822,924
;      FILING DATE:  19920121
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  none
;      FILING DATE:  na
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Western, M. Wayne
;      REGISTRATION NUMBER:  22,788
;      REFERENCE/DOCKET NUMBER:  T377
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (801) 566-6633
;      TELEFAX:  (801) 566-0750
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27
;      TYPE:  AMINO ACID
;      TOPOLOGY:  linear
US-07-822-924-10

  Query Match             97.7%;  Score 128;  DB 1;  Length 27;
  Best Local Similarity   96.3%;  Pred. No. 1.3e-12;
  Matches   26;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
              |||||||||||||||||||:|||||||
Db          1 HSDGTFTSELSRLRDSARLERLLQGLV 27


RESULT 12
PCT-US93-00683-10
; Sequence 10, Application PC/TUS9300683
;  GENERAL INFORMATION:
;    APPLICANT:  J. Kopecek et al.
;    TITLE OF INVENTION:  A DRUG DELIVERY SYSTEM FOR THE
;    TITLE OF INVENTION:  SIMULTANEOUS DELIVERY OF DRUGS ACTIVATABLE BY ENZYMES AND
;    TITLE OF INVENTION:  LIGHT
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Thorpe, North & Western
;      STREET:  9035 South 700 East, Suite 200
;      CITY:  Sandy
;      STATE:  Utah
;      COUNTRY:  USA
;      ZIP:  84070
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 720 Kb storage
;      COMPUTER:  compaq LTE/286
;      OPERATING SYSTEM:  DOS 4.01
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/00683
;      FILING DATE:  19930121
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/822,924
;      FILING DATE:  21 JAN 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Western, M. Wayne
;      REGISTRATION NUMBER:  22,788
;      REFERENCE/DOCKET NUMBER:  T377
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (801) 566-6633
;      TELEFAX:  (801) 566-0750
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27
;      TYPE:  AMINO ACID
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; TOPOLOGY: linear
PCT-US93-00683-10

Query Match 97.7%; Score 128; DB 4; Length 27;
Best Local Similarity 96.3%; Pred. No. 1.3e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||||||||:|||||||
Db 1 HSDGTFTSELSRLRDSARLERLLQGLV 27

RESULT 13
US-09-897-412-12
; Sequence 12, Application US/09897412
; Patent No. 6780839
; GENERAL INFORMATION:
; APPLICANT: Davis, Richard J
; APPLICANT: Page, Keith J
; TITLE OF INVENTION: Use of Secretin-Receptor Ligands in Treatment of Cystic
; TITLE OF INVENTION: Fibrosis (CF) and Chronic Obstructive Pulmonary Disease
; TITLE OF INVENTION: (COPD)
; FILE REFERENCE: 620-148
; CURRENT APPLICATION NUMBER: US/09/897,412
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: GB 0016441.8
; PRIOR FILING DATE: 2000-07-04
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Canis sp.
US-09-897-412-12

Query Match 96.9%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 1.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||:|||||||||||
Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 14
US-09-623-548A-435
; Sequence 435, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 435
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-623-548A-435

Query Match 96.9%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 1.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||:|||||||||||
Db 1 HSDGTFTSELSRLRESARLQRLLQGLV 27

RESULT 15
US-09-623-548A-439
; Sequence 439, Application US/09623548A
; Patent No. 6849714
; GENERAL INFORMATION:
; APPLICANT: Conjuchem, Inc.
; APPLICANT: Bridon, Dominique
; APPLICANT: Ezrin, Alan
; APPLICANT: Milner, Peter
; APPLICANT: Holmes, Darren
; APPLICANT: Thibaudeau, Karen
; TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
; TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
; TITLE OF INVENTION: COMPONENTS
; FILE REFERENCE: 2110
; CURRENT APPLICATION NUMBER: US/09/623,548A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/134,406
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 60/153,406
; PRIOR FILING DATE: 1999-09-10
; PRIOR APPLICATION NUMBER: 60/159,783
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 1617
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 439
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-09-623-548A-439

Query Match 96.9%; Score 127; DB 2; Length 27;
Best Local Similarity 96.3%; Pred. No. 1.9e-12;
Matches 26; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 HSDGTFTSELSRLRDSARLQRLLQGLV 27
||||||||||||||:|||||||||||
Db 1 HSDGTFTSELSRLQDSARLQRLLQGLV 27

Search completed: January 3, 2006, 12:53:42
Job time : 28.6667 secs

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